

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("6672502").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/14 16:33
S1	639	Thermal expansion same clamp\$4 with spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/21 18:39
S2	224	Thermal expansion with clamp\$4 with spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/21 18:40
S3	0	Thermal expansion with clamp\$4 with spring same lamina\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/21 18:42
S4	3	thermal expansion same clamp\$4 with spring same lamina\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/21 18:42
S5	260	clamp\$4 with spring same lamina\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/21 18:43

S6	0	clamp\$4 with spring same micro\$1channel with lamina\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/21 18:49
S7	0	clamp\$4 with spring same micro\$1lamina\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/21 18:50
S8	205	clamp\$4 with spring same MECS	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/21 18:50
S9	32	clamp\$4 with spring same lamina\$1 same channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/21 18:51
S10	30045	clamp\$4 with spring with plate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/21 18:56
S11	27	clamp\$4 with spring with base plate with top plate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/21 18:56
S12	32	("0833001"   "1470143"   "1590643"   "1794149"   "1895990"   "2454372" "2477916"   "2768663"   "2849900"   "2888965"   "2997900"   "3464295" "3838935"   "3890058"   "4010943"   "4072440"   "4082474"   "4242016" "4836720").PN. OR ("6860682").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 18:58

S13	14	"6672502"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 19:02
S14	106	"0627332"   "20010040003"   "20020009741"   "20020048644"   "20020106311"   "20020119079"   "20020189530"   "20020195048"   "20020195052"   "20030006001"   "20030027022"   "20030083410"   "20030091496"   "20030152488"   "20030158410"   "20030164118"   "20030180216"   "20030204285"   "20030204286"   "20030223909"   "20030235272"   "20050082351"   "20060054282"   "20060065355"   "3701619"   "3881701"   "3988589"   "4450706"   "4516632"   "4752352"   "4869421"   "4951305"   "5031483"   "5071503"   "5137369"   "5250263"   "5398193"   "5514232"   "5534328"   "5544771"   "5571754"   "5580523"   "5595712"   "5606589"   "5637175"   "5648684"   "5658537"   "5683828"   "5690763"   "5727618"   "5730817"   "5769985"   "5779833"   "5843385"   "5847958"   "5872714"   "5961932"   "5985068"   "5993750"   "6024003"   "6048432"   "6056843"   "6129973"   "6146487"   "6167910"   "6185278"   "6240161"   "6271524"   "6287436"   "6324438"   "6352577"   "6357332"   "6377661"   "6388816"   "6396902"   "6409072"   "6450393"   "6484776"   "6490812"   "6494614"   "6507642"   "6526123"   "6527890"   "6533840"   "6537506"   "6556657"   "6561208"   "6575218"   "6587742"   "6592696"   "6627030"   "6627835"   "6643302"   "6645432"   "6654656"   "6672502"   "6676835"   "6692700"   "6695044"   "6729352").PN. OR ("6672502"   "6994245"   "7402219").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 19:03
S15	35	S14 and clamp\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 19:03
S16	100	"3361195"   "4494171"   "4546614"   "4559580"   "4561040"   "4758926" "4894709"   "4909315"   "4910642"   "4962444"   "4977954"   "5057908" "5088005"   "5099311"   "5099910"   "5105429"   "5105430"   "5180001" "5265670"   "5388635").PN. OR ("5727618").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 19:06
S17	15	S16 and spring	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 19:06
S18	77	clamp\$4 with spring with lamina\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/21 19:08

S19	2368	thermal expansion with clamp\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/21 19:13
S20	224	thermal expansion with clamp\$4 with spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/21 19:13
S21	43	(lamina\$1) same2 thermal expansion same clamp\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/26 17:34
S22	1480	thermal expansion same clamp\$3 same (spring or resilient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/26 17:36
S23	774	(228/190).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/26 17:41
S24	87	S23 and clamp\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/26 17:41
S25	14	S23 and (clamp\$4 same (spring or resilient\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/26 17:42

S26	437	thermal\$3 near1 expansion with clamp\$3 same (spring or resilien\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/26 17:44
S27	4	("5824997").PN. OR ("6104010").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/26 17:47
S28	25580	clamp\$4 with plat\$4 with spring\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/26 18:04
S29	30267	clamp\$4 with plate with spring\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/26 18:04
S30	755	S29 and thermal\$3 near1 expansion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/26 18:05
S31	2	"10615011"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/26 18:05
S32	3	"20050007748"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/26 18:07
S33	2	"20070029365"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/26 18:14

S34	1	("7108750").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/27 12:32
S35	9	("20020186613"   "3638831"   "3786966"   "4622239"   "4887651"   "5366309"   "5480487"   "5570813"   "5584416").PN. OR ("7108750"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/27 12:33
S36	2	"20050263951"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/27 16:44
S37	45014	"269".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/24 17:25
S38	335	S37 and thermal\$4 near2 (expand or expansion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/24 17:25
S39	341	S37 and thermal\$4 near2 (expand\$4 or expansion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/24 17:25
S40	185	S39 and (fluid or gas or liquid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/24 17:25
S41	224	S39 and (fluid\$4 or gas\$4 or liquid or air)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/24 17:25

S42	5	sani near1 bakhtiari	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 09:13
S43	27	"3582610"   "3735911"   "3791018"   "3961413"   "4160893"   "4504008" "4568819"   "4610391"   "4654507"   "4752025"   "4756077"   "4801069" "4802276"   "4840305"   "4851648"   "4855559"   "4909428"   "4909429" "5068508"   "5090609"   "5150827"   "5188280"   "5516031"   "5639011" "5660318"   "5785237").PN. OR ("6152353"   "6386429").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 09:14
S44	12	(laminae or lamina\$ or sheet\$3) same (bond\$4 or weld\$4 or solder\$4 or braz\$4) same (clamper or engager or clamp or press) with (expand\$4 or expansion) with (fluid or gas\$4 or liquid or air) same2 (convey\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 09:17
S45	42	(bond\$4 or weld\$4 or solder\$4 or braz\$4) same (clamper or engager or clamp or press) with (expand\$4 or expansion) with (fluid or gas\$4 or liquid or air) same2 (convey\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 09:19
S46	30	S45 not S44	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 09:19
S47	2	"20070029365"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 09:39
S48	19	"6672502"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 09:44
S49	21	("0627332"   "20010040003"   "20030006001"   "20060054282"   "20060065355"   "4752352"   "5071503"   "5637175"   "5730817"   "5779833"   "6024003"   "6048432"   "6056843"   "6146487"   "6450393"   "6484776"   "6575218"   "6627030"   "6627835"   "6672502").PN. OR ("7402219").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 09:45
S50	41222	"269".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 09:50
S51	4	S50 and fluid expansion	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 09:50

S52	36	S50 and (gas or fluid\$3) near1 (expan\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 09:51
S53	39025	"228".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 09:54
S54	142	S53 and (gas or fluid\$3) near1 (expan\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 09:54
S55	17	"6549418"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 10:01
S56	0	S55 and (gas or fluid\$3) with (expan\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 10:02
S57	0	S55 and (gas or fluid\$3 or air) with (expan\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 10:02
S58	73	"6198630"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 10:02
S59	2	S58 and (gas or fluid\$3 or air) with (expan\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 10:02
S60	39025	"228".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 10:14
S61	2509	S60 and (hydraulic\$)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 10:14
S62	184	S61 and (semiconductor or electronic component or electronic chip or laminae)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 10:15
S63	37	S62 and (convey\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 10:26
S64	9	("3413532"   "3972755"   "4252263"   "4806195"   "5570504"   "5640761"   "5688350"   "6036809").PN. OR ("6892781").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 10:28
S65	9	("3413532"   "3972755"   "4252263"   "4806195"   "5570504"   "5640761"   "5688350"   "6036809").PN. OR ("6892781").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 13:48



S66	282	"2148704"   "2536713"   "2662960"   "2849298"   "2945976"   "3010863"   "3077511"   "3190215"   "3214827"   "3220897"   "3258387"   "3295089"   "3316618"   "3316619"   "3361608"   "3393117"   "3396457"   "3496336"   "3509270"   "3541222"   "3546775"   "3556928"   "3558423"   "3561110"   "3584376"   "3606677"   "3616532"   "3657611"   "3739469"   "3741858"   "3761783"   "3775844"   "3795037"   "3795047"   "3818823"   "3829601"   "3852877"   "3859711"   "3862790"   "3896256"   "3932250"   "4024629"   "4046305"   "4127436"   "4211603"   "4216350"   "4237606"   "4249032"   "4249302"   "4383363"   "4394712"   "4417392"   "4447282"   "4452847"   "4479991"   "4480288"   "4511757"   "4641425"   "4642889"   "4677254"   "4700474"   "4712161"   "4720470"   "4727633"   "4729809"   "4740414"   "4755911"   "4788766"   "4793814"   "4817280"   "4868980"   "4879156"   "4915795"   "4926549"   "4935584"   "4954878"   "4970106"   "5001605"   "5046238"   "5048178"   "5056216"   "5069628"   "5072075"   "5089880"   "5121299"   "5128831"   "5129142"   "5140745"   "5147210"   "5231751"   "5258236"   "5282312"   "5452182"   "5518674"   "5534466").PN. OR ("3413532"   "3972755"   "4252263"   "4806195"   "5570504"   "5640761"   "5688350"   "6036809").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 13:48
S67	51	"2351058"   "2354692"   "3284884"   "3842794"   "3960635"   "3971875"   "4186916"   "4342090"   "4421589"   "4617160"   "4646128"   "4666551"   "4672737"   "4689105"   "4695707"   "4704319"   "4706166"   "4764846"   "4776919"   "4806195"   "4954206"   "4963221"   "4983533"   "5045685"   "5104820"   "5169310"   "5182121"   "5186973"   "5201981"   "5218515"   "5241450"   "5254205"   "5279991"   "5297480"   "5347428"   "5389346"   "5399223"   "5424920"   "5432318"   "5432729"   "5468315"   "5496433"   "5555798"   "5578159"   "5595241"   "5635010").PN. OR ("5892203").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 13:51
S68	24	"3960635"   "4421589"   "4646128"   "4666551"   "4672737"   "4689105"   "4704319"   "4706166"   "4764846"   "4806195"   "4983533"   "5017586"   "5045685"   "5104820"   "5218515"   "5221642"   "5241450"   "5279991"   "5297480"   "5347428"   "5424920"   "5432318"   "5432729").PN. OR ("5772815").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 13:51
S69	21	(stack\$4 or aligned or piled) near3 (laminae or sheets or substrates) with (bond\$4 or weld\$4 or solder\$4 or braz\$4) same (furnace or oven) same (convey\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 13:56
S70	759	(laminae or sheets or substrates) with (bond\$4 or weld\$4 or solder\$4 or braz\$4) same (furnace or oven) same (convey\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 13:57
S71	40	(laminae or sheets or substrates) with (bond\$4 or weld\$4 or solder\$4 or braz\$4) same (furnace or oven) same (convey\$4) same (inert)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 13:58
S72	75	(laminae or sheets or substrates) with (bond\$4 or weld\$4 or solder\$4 or braz\$4) same (furnace or oven) same (convey\$4) same2 (inert)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 14:01

S73	35	S72 not S71	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 14:01
S74	997	(braz\$4 or solder\$4) same (furnace or oven) with (convey\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 14:02
S75	57	(braz\$4 or solder\$4) same (furnace or oven) with (convey\$4) same inert	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 14:02
S76	4469	(laminae or lamina\$4) same (registra\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 14:34
S77	2251	(laminae or lamina\$4) same (registra\$5 or registering or register) same (align\$4 or orient\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 14:34
S78	554	(laminae or lamina\$4) same (registra\$5 or registering or register) same (align\$4 or orient\$4) same (bond\$4 or weld\$4 or braz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 14:35
S79	1536	(156/580).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/25 14:39
S80	259	S79 and (hydraulic or (fluid\$3 or gas or air) near1 (expansion or expand \$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 14:39
S81	114	S80 and spring\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 14:40
S82	1396	(156/499).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/25 15:03

S83	164	S82 and (hydraulic or (fluid\$3 or gas or air) near1 (expansion or expand \$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 15:03
S84	68	S83 and spring\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 15:03
S85	5	("4226652"   "4407691"   "4515651").PN. OR ("4689108").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 15:08
S86	6292	(hydraulic\$4) with (press) same2 (bond\$4 or weld\$4 or braz\$4 or solder\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 15:08
S87	29	pre\$1bond\$4 with (stack) same (bond\$4 or weld\$4 or solder\$4 or braz\$4) with (stacks)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 15:26
S88	3	"20050007748"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 15:44
S89	23	("20020127894"   "20030000080"   "20030032310"   "20030036301"   "4611869"   "5287757"   "5738531"   "5770891"   "6224396"   "6249440"   "6282093"   "6375475"   "6386890"   "6430050"   "6475011"   "6477058"   "6549418"   "6657131"   "6885557").PN. OR ("2005/0007748"   "7289335").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 15:44
S90	5	lamina\$2 same (registration) same TEER	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 15:56
S91	14	("5571754"   "5648684"   "5769985"   "5779833"   "5985068"   "6048432"   "6357332").PN. OR ("6672502").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 15:57
S92	49	lamina\$3 same (registration) with (integrated or integral)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 15:57

S93	20	lamina\$3 same (registration) with (CTE)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 16:04
S94	3	thermally enhanced edge registration	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 16:06
S95	3	thermally enhanced edge registration	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 16:06
S96	61	laminae with registration	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 16:13
S97	19	S96 same heat\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 16:13
S98	24	S96 same (thermal\$4 or heat\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 16:13
S99	785	force near2 distribut\$3 near2 spring	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 16:57
S100	58	S99 same (weld\$4 or bond\$4 or solder\$4 or braz\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 16:57
S101	649	(361/809).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/25 17:05
S102	29156	(clamp or holder or press) and (hydraulic) and (spring) and (bond\$4 or weld\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 16:51
S103	11345	(clamp or holder or press) same (hydraulic) and (spring) and (bond\$4 or weld\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 16:53
S104	5196	(clamp or holder or press) same (hydraulic) same (spring) and (bond\$4 or weld\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 17:11

S105	5230	(clamp or holder or press) same (hydraulic) same (spring or complian\$3) and (bond\$4 or weld\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 17:11
S106	2289	(clamp or holder or press) same (hydraulic) same (spring or complian\$3) same (bond\$4 or weld\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 17:12
S107	310	S106 same (substrate or electronic component or circuit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 17:12
S108	280	((fluid or gas or air) with (expand\$4 or expansion) or hydraulic) same (clamp or press or bonder or bonding) same (laminae or laminar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 17:21
S109	101	S108 and (spring or complian\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 17:21
S110	45022	"269".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 17:25

S111	3201	S110 and ((fluid or gas or air) with (expand\$4 or expansion) or hydraulic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 17:25
S112	1752	S111 and (spring or complian\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 17:25
S113	612	S112 and (bond\$4 or weld\$4 or solder\$4 or braz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 17:25
S114	1619	(228/228,233.1,234.1,235.1,262.1).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/01 17:33
S115	190	S114 and (spring or complian\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 17:33
S116	154	S115 and (fluid or gas or hydraulic or air)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 17:33
S117	551236	(press or work\$1holder or clamp or bonding or bonder) same (spring or compliant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 17:44

S118	89604	(press or work\$1holder or clamp or bonding or bonder) same (spring or compliant) with (bottom or lower)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/01 17:45
S119	4	((("3657611") or ("3887783") or ("6015081") or ("20020030087"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/09 15:42
S120	37	("2614590"   "2713379"   "3119922"   "3680037"   "3870582"   "3901758" "3972766"   "4050756"   "4234373"   "4263606"   "4445735"   "4509099" "4545838"   "4611869"   "4664309"   "4729809"   "4754546"   "4814040" "4926549"   "4927479"   "4975637"   "5039371"   "5058800").PN. OR ("6015081").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 15:43
S121	41238	"269".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 15:43
S122	2550	S121 and ((bolt or screw) with (spring\$1))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 15:43
S123	665	S122 and (bond\$4 or weld\$4 or solder\$4 or braz\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 15:44
S124	54203	(clamp or clasper or vice or holder) same (screw or bolt) with (spring)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 15:58
S125	5783	S124 same (weld\$4 or braz\$4 or solder\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 15:59
S126	18720	(clamp or clasper or vice or holder) with (screw or bolt) with (spring)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 15:59
S127	1601	S126 same (weld\$4 or braz\$4 or solder\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 15:59
S128	10897	(clamp or clasper) with (screw or bolt) with (spring)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 16:07
S129	1102	S128 same (weld\$4 or braz\$4 or solder\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 16:07
S130	2	"20050007748"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 16:15
S131	24	("20020127894"   "20030000080"   "20030032310"   "20030036301"   "4611869"   "5287757"   "5738531"   "5770891"   "6224396"   "6249440"   "6282093"   "6375475"   "6386890"   "6430050"   "6475011"   "6477058"   "6549418"   "6657131"   "6885557").PN. OR ("2005/0007748"   "7289335").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 16:15

S132	105	ball near bearing with (complan\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 16:34
S133	11129	ball near bearing with (complan\$4 or spring)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 16:34
S134	11050	ball near bearing with (spring)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 16:34
S135	2590	ball near bearing near2 (spring)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 16:34
S136	81	ball near bearing near2 (spring) same (clamp)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 16:34
S137	94	ball bearing with (complan\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 16:37
S138	6	"6378200"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 16:51
S139	13	"6071371"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 16:52
S140	1831	(die near bond\$3) same (wire\$1bond\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 17:57
S141	148	(die near bond\$3) same (wire\$1bond\$3) same (system or apparatus)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 17:57
S142	10	(die near bond\$3) same (wire\$1bond\$3) same (convey\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 17:57
S143	6	(die near bond\$3) same (epoxy) same (solder near2 flux)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 17:58
S144	9	(die near bond\$3) same (epoxy) same (solder\$3 near2 flux)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 17:58
S145	16	((semiconductor or electronic component or flip chip or die) near bond\$3) same (epoxy) same (solder\$3 near2 flux)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 17:59
S146	104	((semiconductor or electronic component or flip chip) near bond\$3) same (solder\$3 near2 flux)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 18:06
S147	104	((semiconductor or electronic component or flip chip) near bond\$3) same (solder\$3 near2 flux)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 18:08
S148	2	((semiconductor or electronic component or flip chip) near bond\$3) same (solder\$3 near2 flux) with (dispens\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 18:08
S149	12	("4031854"   "4346849"   "4349947"   "5017409"   "5397058"   "5747102").PN. OR ("6270019").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 18:09



S150	6	((semiconductor or electronic component or flip chip) near bond\$3) same (solder\$3 near2 flux) with (inject\$3 or apply\$3 or applicator)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 18:18
S151	39	((semiconductor or electronic component or flip chip) near bond\$3) same (solder\$3 near2 flux or solder near (paste or cream)) with (inject\$3 or apply\$3 or applicator)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 18:20
S152	3132	(solder\$3 near2 flux or solder near (paste or cream)) with (inject\$3 or apply\$3 or applicator)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/09 18:21
S153	1	("4689108").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/14 09:27
S154	1	("5232145").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/14 13:21
S155	1	("20070029365").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/14 14:15
S156	131	(269/161).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/14 15:04
S157	662	(269/161,20,160).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/14 15:04
S158	1021	(100/311,312,324,269.01,270,269.02,269.03,269.04).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/14 15:05
S159	1566	(228/228,233.1,234.1,193).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/14 15:05
S160	4659	(156/580,499,581,583.1,583.8,583.91).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/14 15:05
S161	7826	S160 or S159 or S158 or S157	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/14 15:06
S162	237	(100/269.02,269.03,269.04).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/14 15:06

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